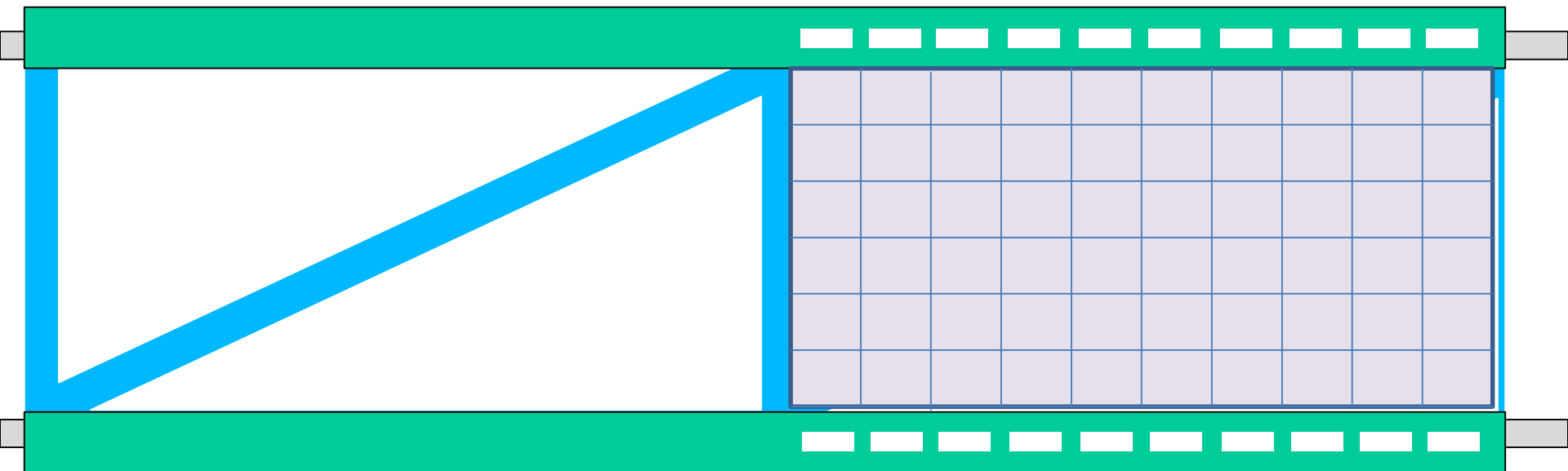
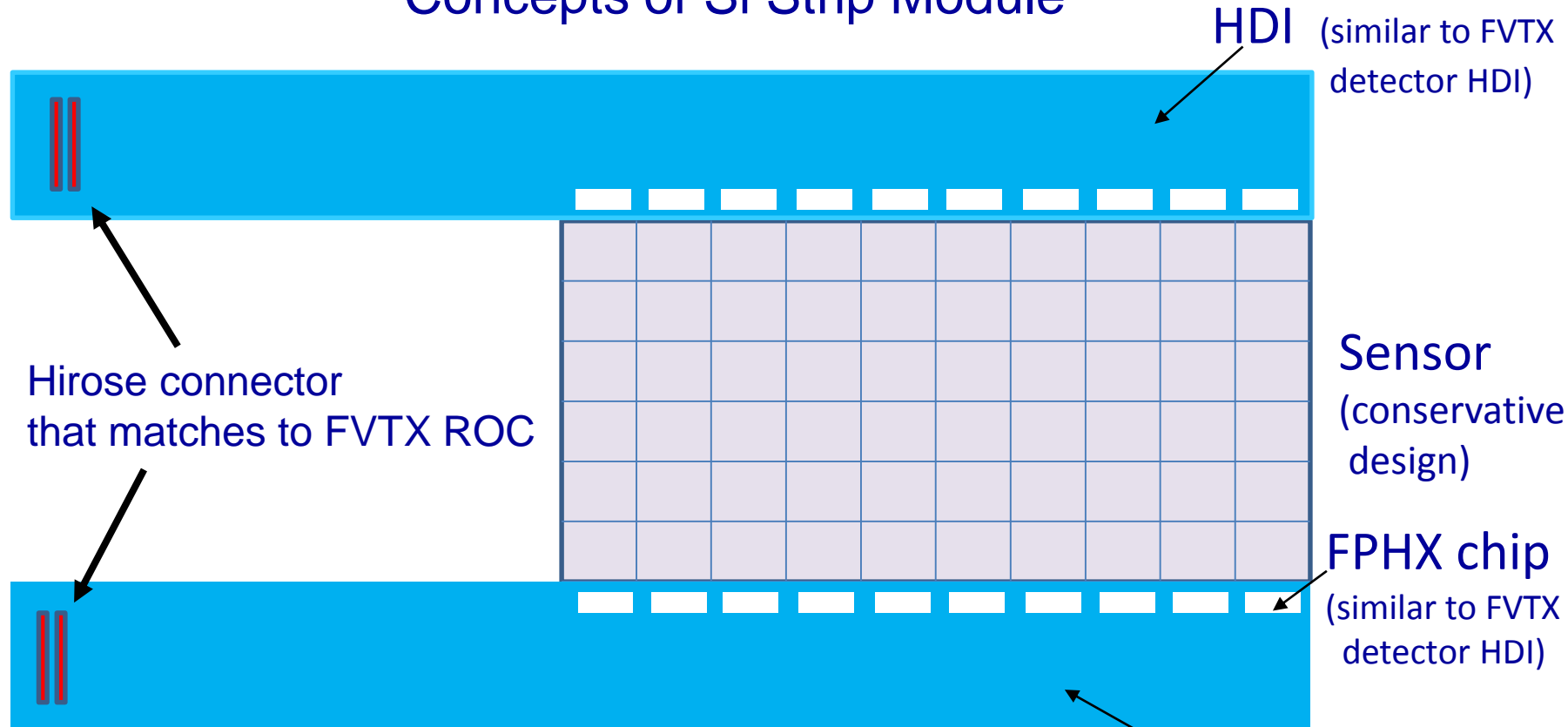


# Concept of Prototype Silicon Module Silicon Strip Tracker for sPHENIX

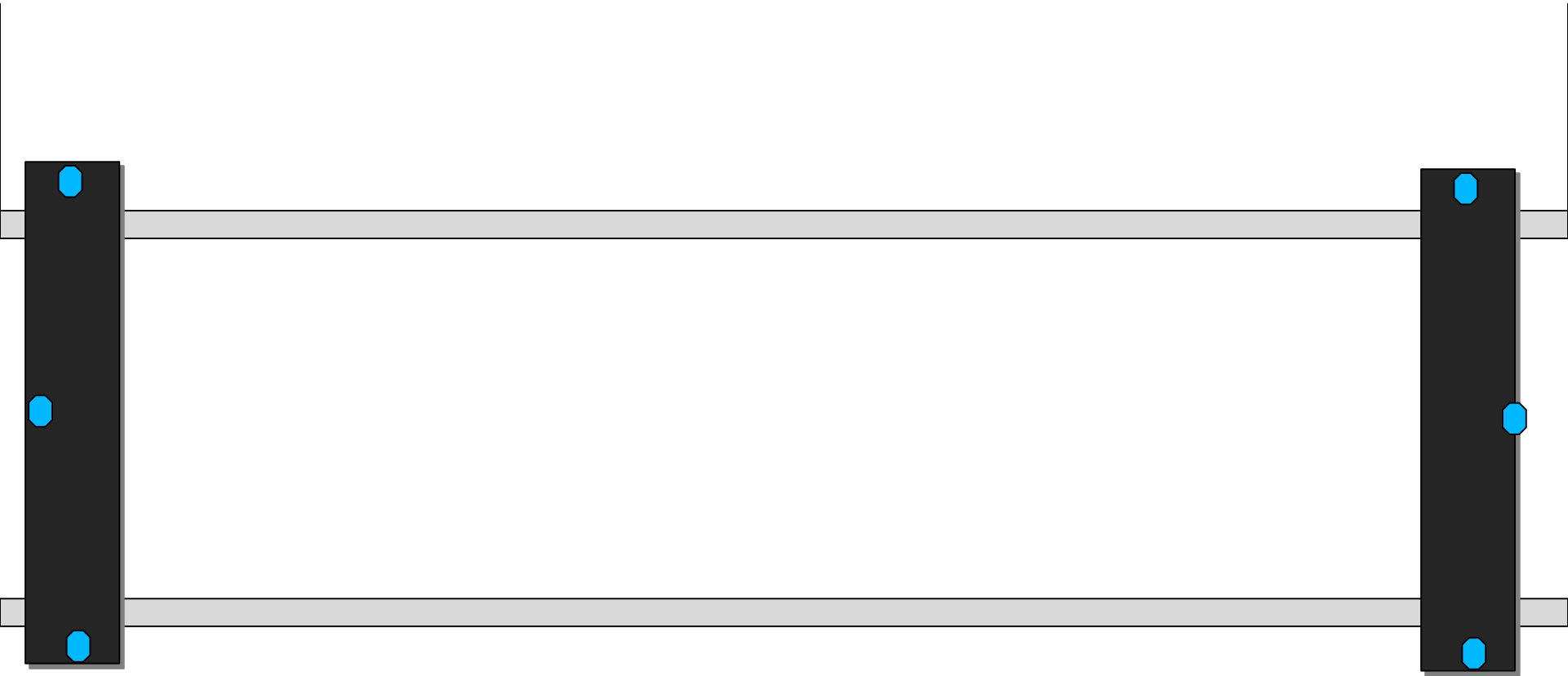
I. Nakagawa, G. Mitsuka,  
R. Pisani and R. Nouicer

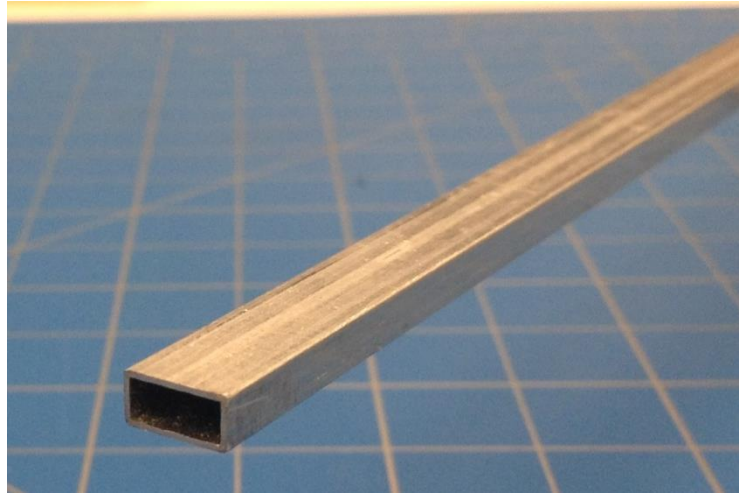


## Concepts of Si Strip Module



- HDI width: 20 mm
- HDI length: 40 cm including the bus part
- Radiation length: 0.28% (physical thickness 0.45mm)
- Electrically the same as the small Wedge HDI of FVTX. This allows read-out via FVTX ROC+FEM



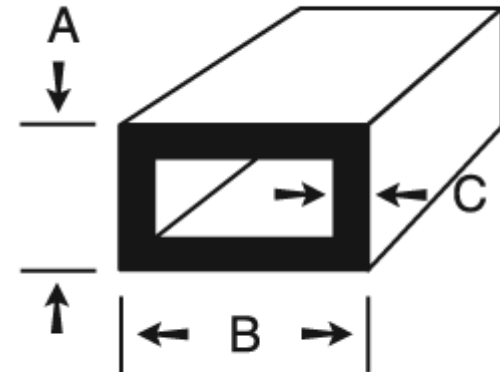


Rectangular Aluminum Tube  
3003 Aluminum

(A) = 0.125" = 3.175 mm

(B) = 0.250" = 6.35 mm

(C) = 0.014" = 0.355 mm



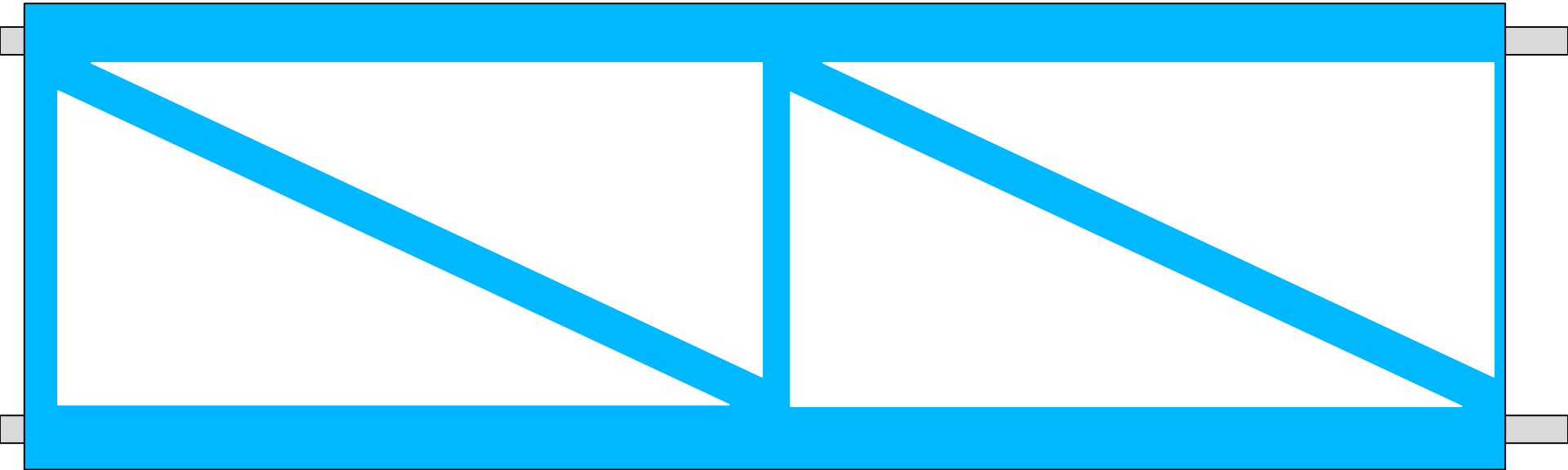
Hose Barbed Tube  
Fitting

For 1/8" Id

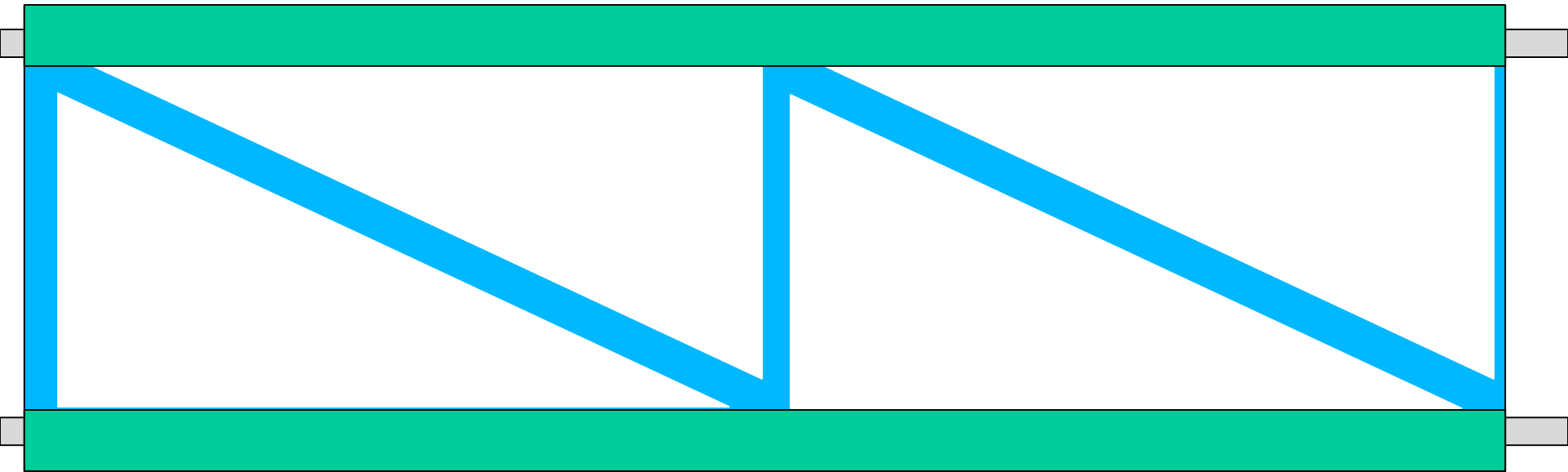




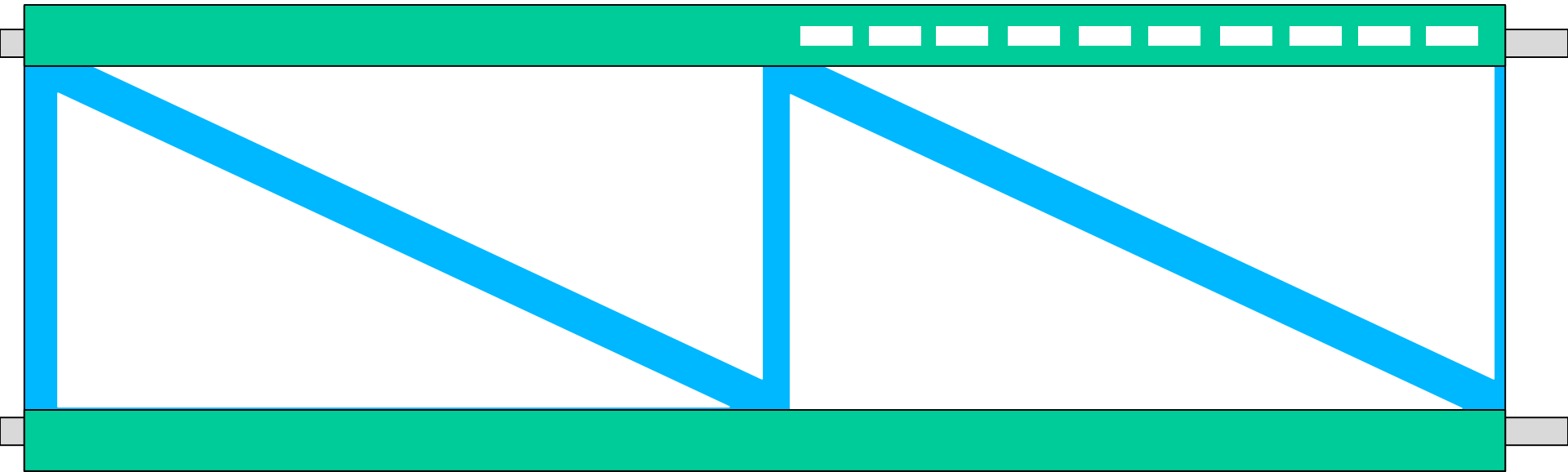
# Front Side View of the Stave (Stave is double sided)



# Front Side View of the Stave (Stave is double sided)

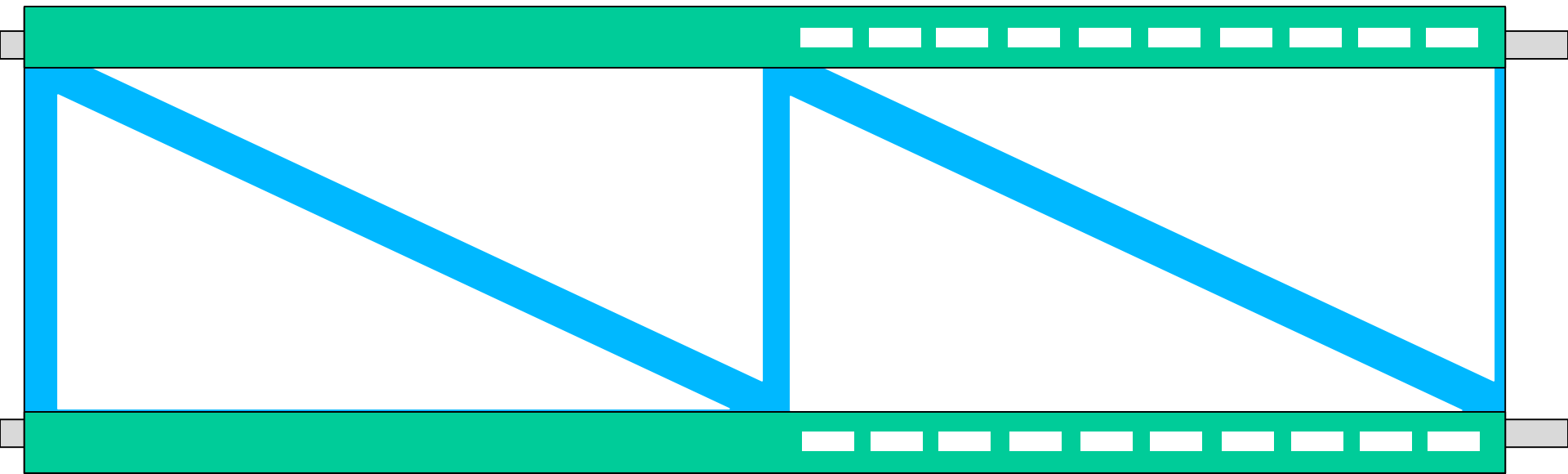


# Front Side View of the Stave (Stave is double sided)



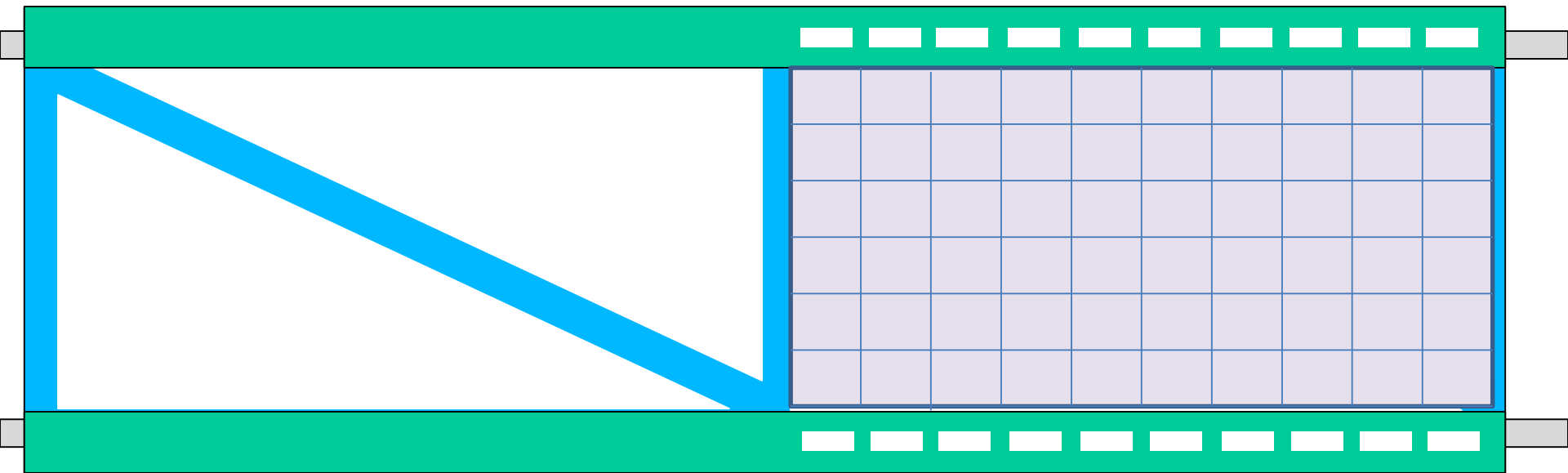


# Front Side View of the Stave (Stave is double sided)

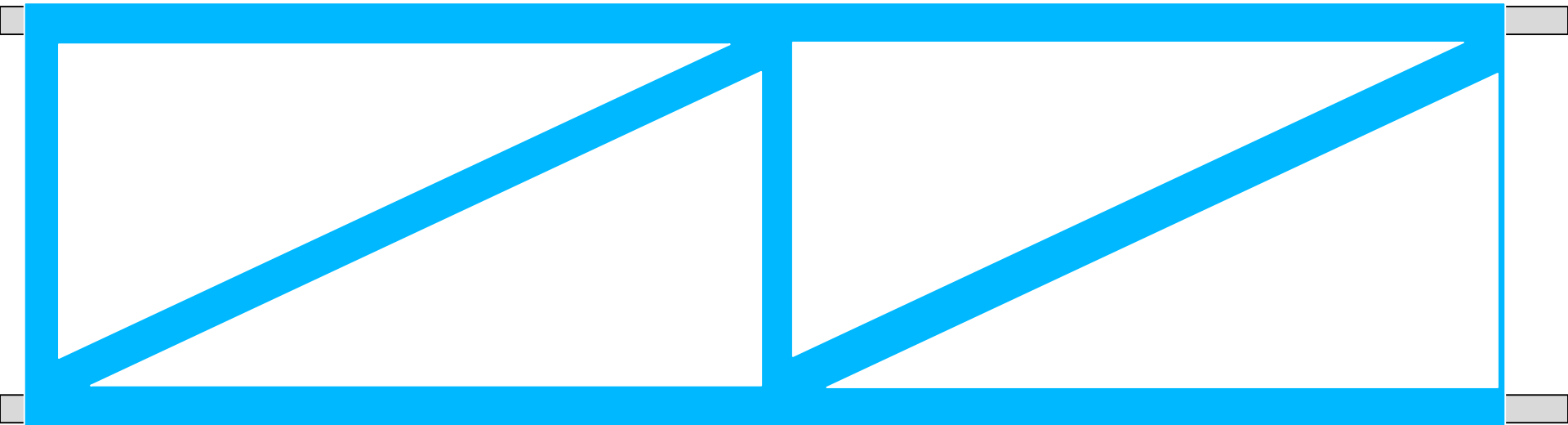


# Front Side View of the Stave

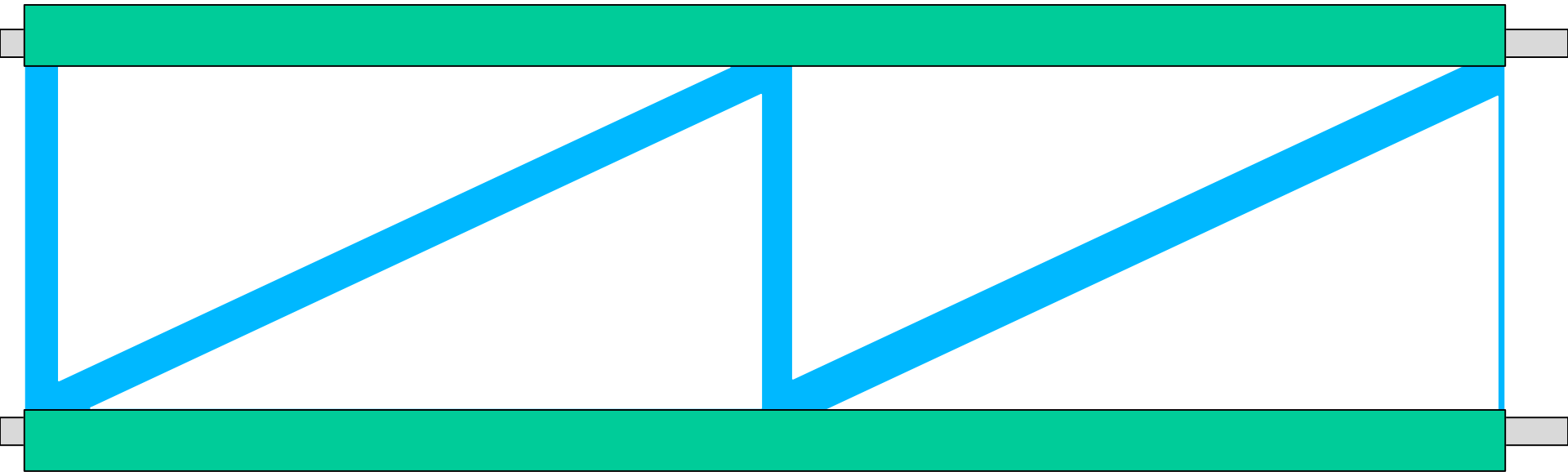
(Stave is double sided)



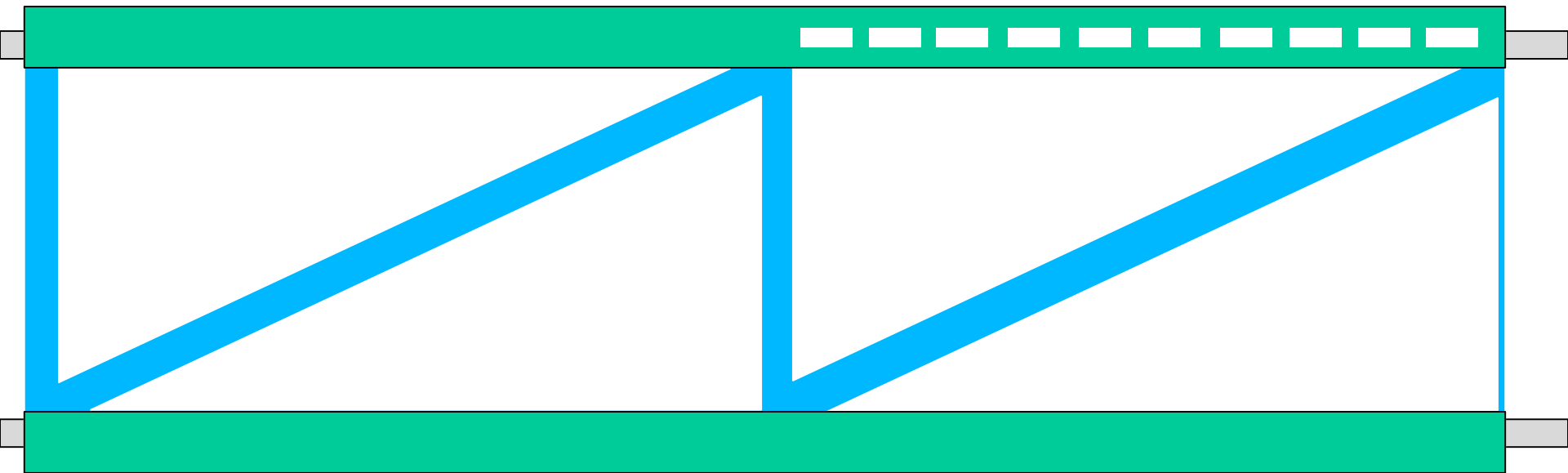
## Back Side View of the Stave (Stave is double sided)



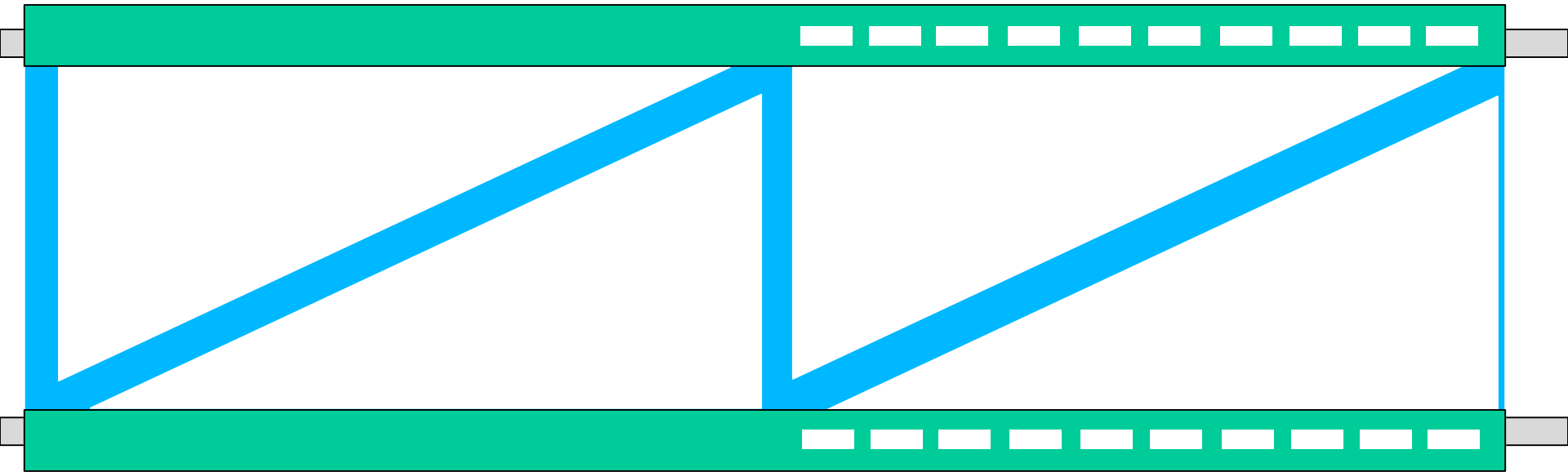
## Back Side View of the Stave (Stave is double sided)



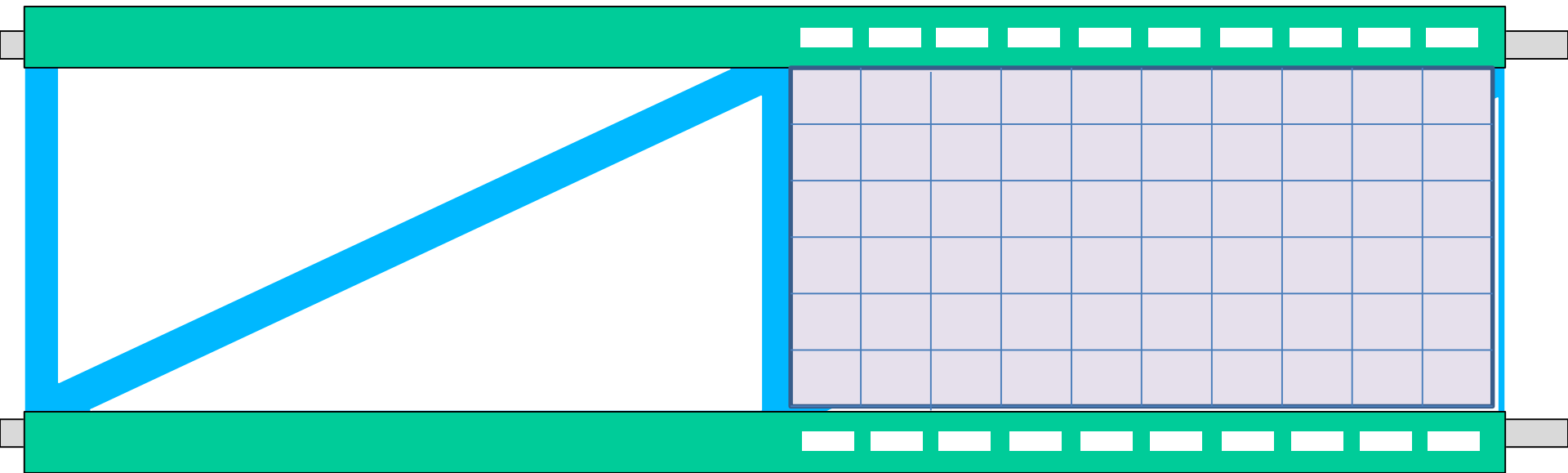
## Back Side View of the Stave (Stave is double sided)

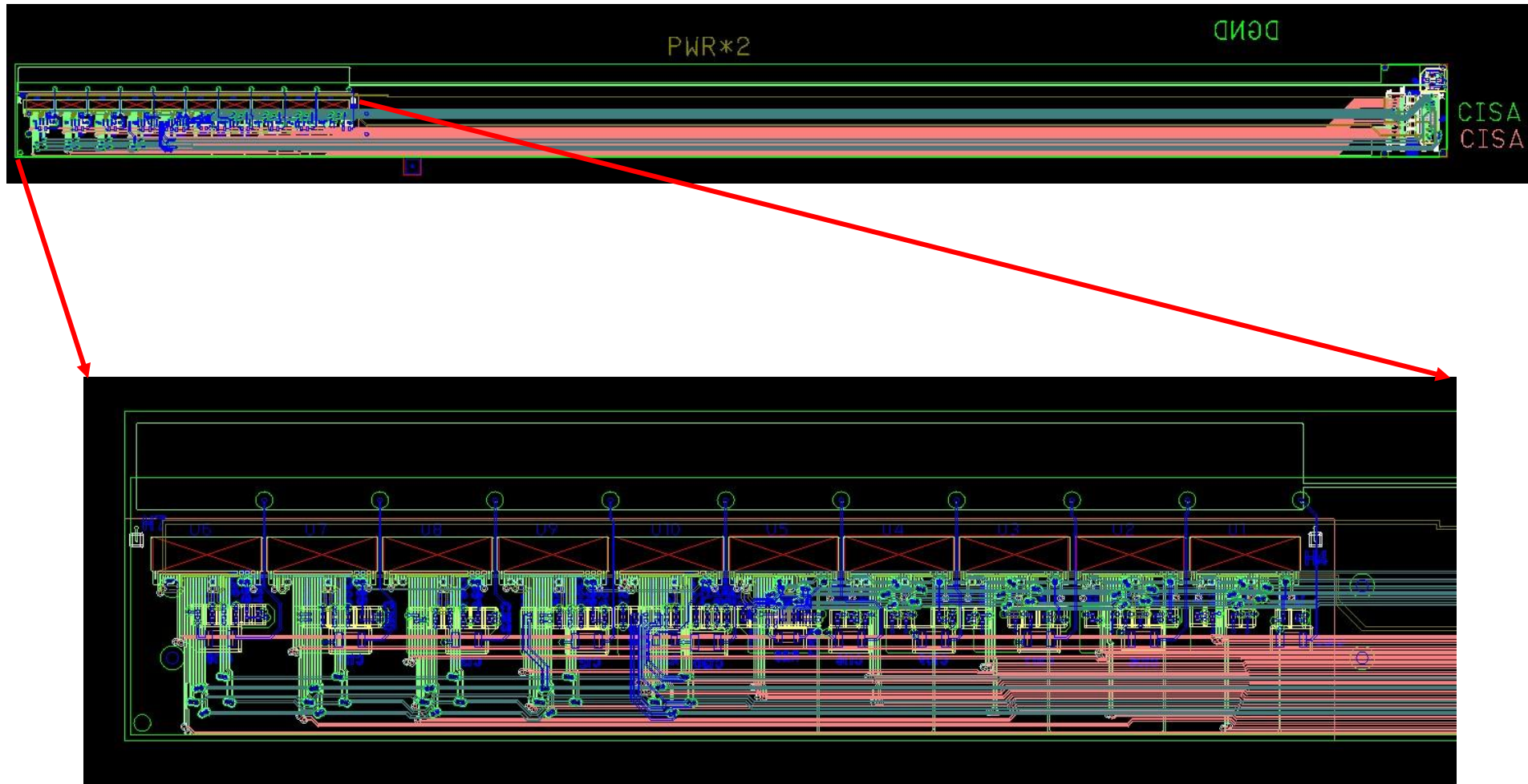


## Back Side View of the Stave (Stave is double sided)

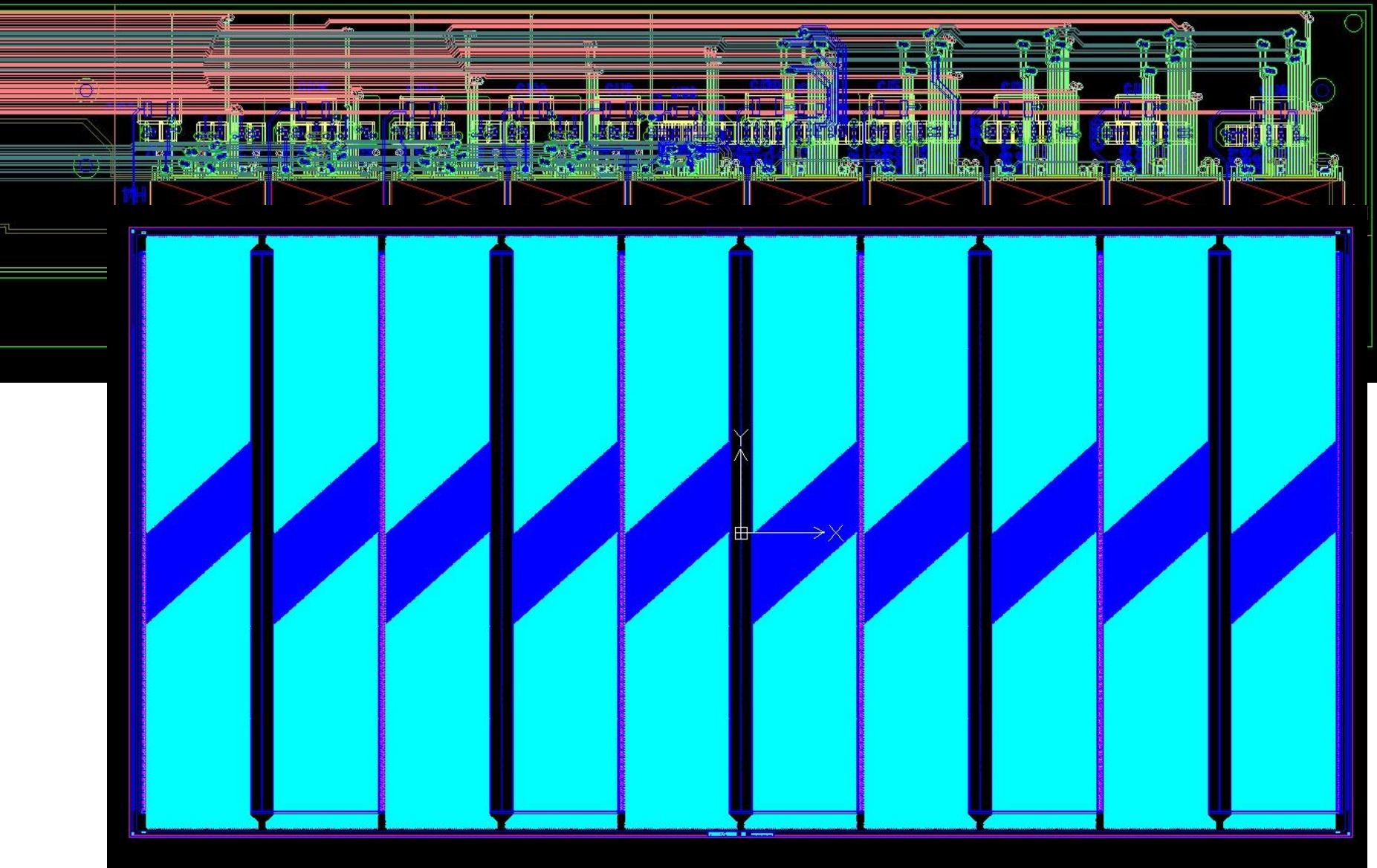


## Back Side View of the Stave (Stave is double sided)

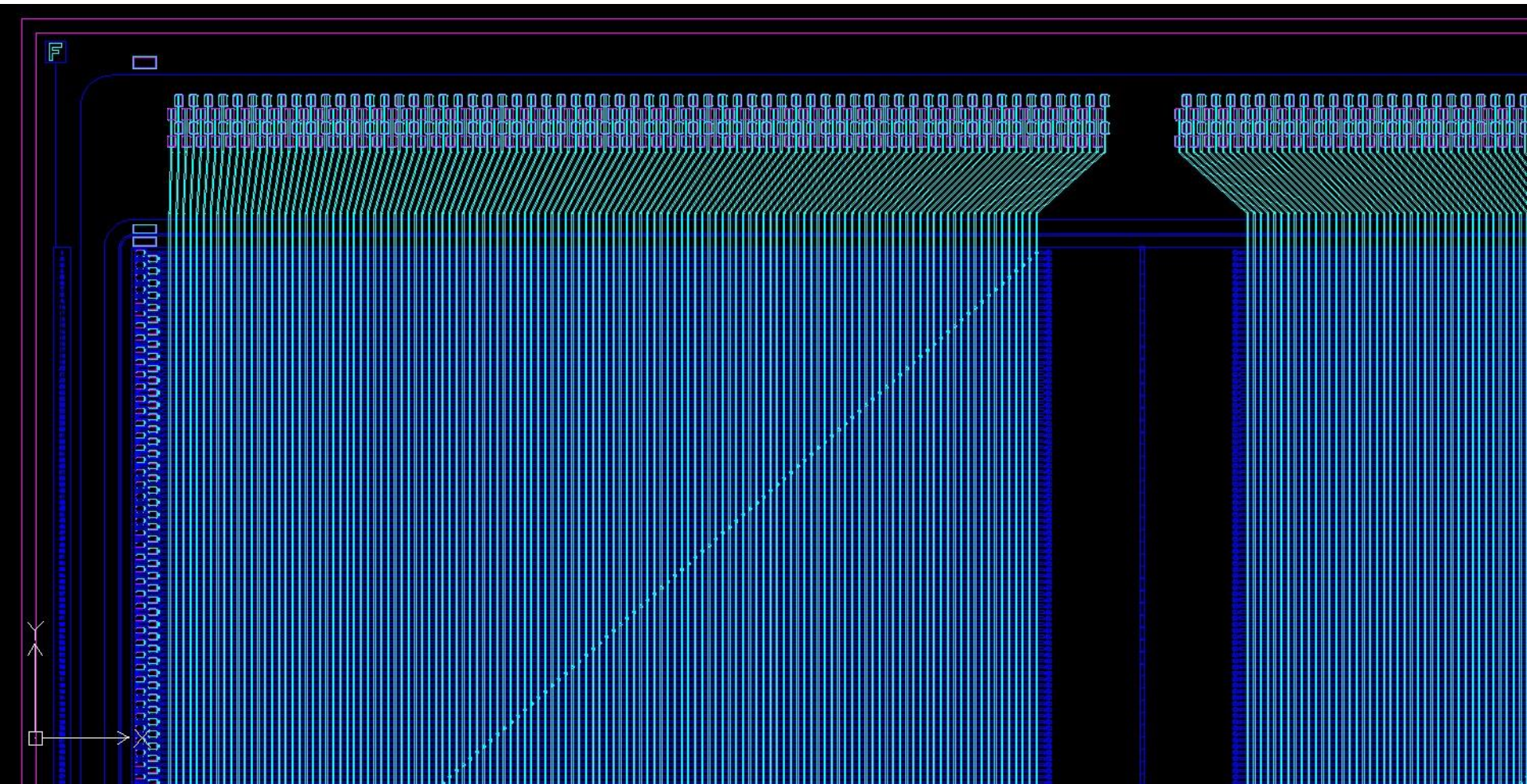






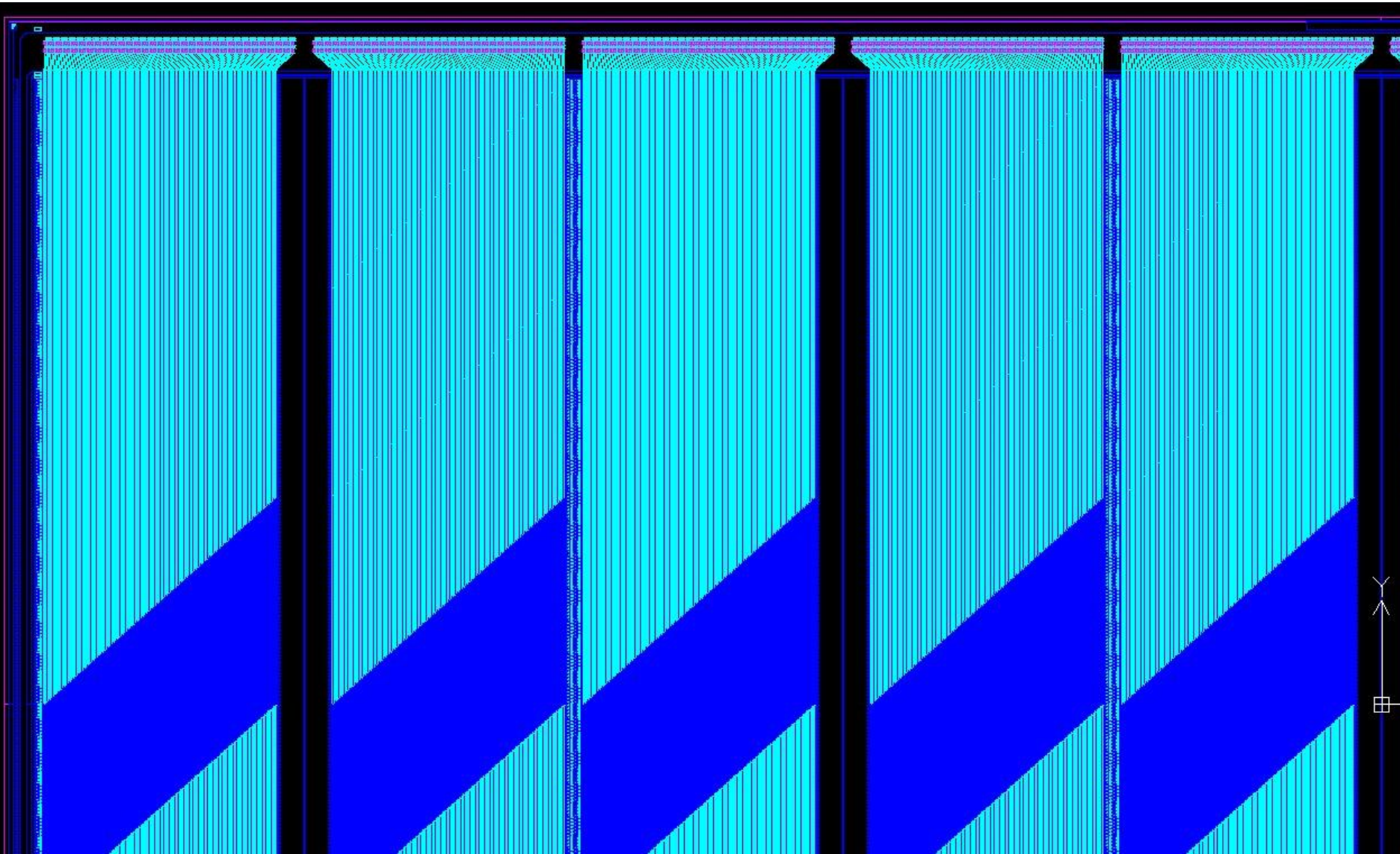


## Zoom





## Zoom



## Auxiliary slides